Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended): A disc recording apparatus for recording data on a disc comprising a ~~disc, means~~ memory for storing data recovered from the disc, an interface for transferring recovered data from the ~~means for storing data and write data to the means for storing data~~ memory to a communication line and providing data recovered from the communication line to the memory, a CPU for ~~performing confirmation of the received data~~ controlling an operation of the interface, and an encoder for ~~generating a recording address for~~ encoding the recovered data from the memory and providing encoded data to the disc, the disc recording apparatus recording data with a recording address y calculated from y = n(x-m) + m, where x is an absolute time address generated on the basis of a pregroove formed on the disc, n is a scale factor of recording density having a value which exceeds 1 or is less than 1, and m is a recording start address.

2.   (Previously Presented): The apparatus according to claim 1, wherein information regarding storage capacity for data storage on the disc is received, and on the basis of the received information, the scale factor n of recording density is determined.

3.   (Previously Presented): The apparatus according to claim 2 comprising means for comparing the received information regarding storage capacity and a predetermined maximum storage capacity.

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4.   (Previously Presented): The apparatus according to claim 3, wherein if the predetermined maximum storage capacity is exceeded in a comparison of the received information regarding storage capacity and the maximum storage capacity, data indicating that recording is impossible is sent.

5.   (Previously Presented): The apparatus according to claim 2, comprising means for comparing the received information regarding storage capacity and two predetermined maximum storage capacities.

6.   (Previously Presented): The apparatus according to claim 2, wherein the received information regarding storage capacity is sent from an external computer.

7.   (Previously Presented): The apparatus according to claim 1, wherein the n is greater than 1 and less than or equal to 1.2.

8.   (Previously Presented): The apparatus according to claim 7, wherein if scale factor n that is determined on the basis of received information exceeds 1.2, a response is sent indicating that recording at that scale factor n is impossible.

9.   (Currently Amended): A disc recording apparatus for recording data to a disc comprising a ~~disc, means~~ memory for storing data recovered from the disc, an interface for transferring recovered data from the ~~means for storing data and write data to the means for storing data~~ memory to a communication line and providing data recovered from the communication line to the memory, a CPU for ~~performing confirmation of the received data~~ controlling an operation of the interface, and an encoder for ~~generating a recording address for~~ encoding the recovered data from the memory and providing encoded data to the disc, the disc recording apparatus

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recording data with a recording address $\underline{y}$ calculated as $y = n(x\text{-}m) + m$ in the case where an offset address does not exist, where x is the absolute time address generated on the basis of a pregroove formed on the disc, n is the scale factor of recording density <u>having a value which exceeds 1 or is less than 1</u>, and m is the recording start address, and the recording address z calculated as $z = y + p$ in the case where recording is performed with the offset address, where p is the offset address.

10.   (Previously Presented): The apparatus according to claim 9, wherein information regarding storage capacity of the disc for recording data is received, and the scale factor n of recording density is determined on the basis of the received information.

11.   (Previously Presented): The apparatus according to claim 10 comprising means for comparing the received information regarding storage capacity and a predetermined maximum recording capacity.

12.   (Previously Presented): The apparatus according to claim 11, wherein if the predetermined maximum storage capacity is exceeded in a comparison of the received information regarding storage capacity and the maximum storage capacity, data indicating that recording is impossible is sent.

13.   (Previously Presented): The apparatus according to claim 10, comprising means for comparing the received information regarding storage capacity and two predetermined maximum storage capacities.

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14. (Previously Presented): The apparatus according to claim 10, wherein the received information regarding storage capacity is sent from an external computer.

15. (Currently Amended): A disc recorded with data comprising data recorded with y as a recording address calculated from $y = n(x-m) + m$, where x is an absolute time address generated on the basis of a pregroove formed on the disc, n is a scale factor of recording density having a value which exceeds 1 or is less than 1, and m is a recording start address.

16. (Previously Presented): The disc according to claim 15, wherein the n is greater than 1 and less than or equal to 1.2.

17. (Currently Amended): A method for recording data comprising calculating a recording address y using $y = n(x-m) + m$, where x is an absolute time address generated on the basis of a pregroove formed on a disc, n is a scale factor of recording density having a value which exceeds 1 or is less than 1, and m is a recording start address.

18. (Previously Presented): The method according to claim 17 further comprising determining the scale factor n of recording density on the basis of information regarding storage capacity for data storage on the disc received.

19. (Previously Presented): The method according to claim 18 further comprising comparing the received information regarding storage capacity and a predetermined maximum storage capacity.

20. (Previously Presented): The method according to claim 19 further comprising sending data indicating that recording is impossible if the

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predetermined maximum storage capacity is exceeded in a comparison of the received information regarding storage capacity and the maximum storage capacity.

21   (Previously Presented): The method according to claim 17 further comprising comparing the received information regarding storage capacity and two predetermined maximum storage capacities.

22   (Previously Presented):   The method according to claim 18 further comprising sending the received information regarding storage capacity from an external computer.

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